ABSTRACT

THERMOPLASTIC RESINS MODIFIED BY COPOLYMERS BASED ON HEAVY ACRYLATES

Company named: ELF ATOCHEM S.A.

4 / 8 Cours Michelet 92800 PUTEAUX

Agent: Henry NÉEL

Inventors: Alain BOUILLOUX
Christophe LACROIX
Jean Marc LE BLEVEC
Thibaut MONTANARI

The invention relates to thermoplastic compositions comprising:

-40 to 97 parts of a thermoplastic polymer (M) forming a matrix, chosen from polyamides, polyamide block copolymers, fluoro polymers, polycarbonate, styrene resins, PMMA, thermoplastic polyurethanes (TPU), copolymers containing polyester blocks and polyether blocks, polycarbonate-polyester alloys, polyketones, PVC and ethylene-vinyl alcohol copolymers (EVOH),

-60 to 3 parts of (B) comprising:

either an ethylene-alkyl (meth)acrylate copolymer (B1), the alkyl having at least 5 carbon atoms, which copolymer (B1) carries a functional group

or a blend of an ethylene-alkyl (meth)acrylate copolymer (B2), the alkyl having at least 5 carbon atoms, which copolymer (B2) does not carry a functional group, and of an impact modifier which carries a functional group.